

Force and Motion

Jan. 13, 2020

Day 1/81

At the end of today's lesson you will be able to determine;

- How do forces affect motion?

Classwork-

- Force and Motion 1.2
- Students are introduced to their role as student physicists working with the Universal Space Agency (USA) to determine what happened to an asteroid sample-collecting pod that went awry.
- The space agency lost contact with the pod for a few seconds, and rather than stopping and docking at the space station as planned, the pod moved in the opposite direction.
- To prepare for the investigation, students share initial ideas about two claims that might explain what happened to the pod. After that, they conduct a hands-on investigation about changing an object's motion, both from a stationary starting position and as an already-moving object.
- Students determine the five ways that the motion of an object can change and begin to develop an understanding that forces cause changes in motion.
- The purpose of this lesson is to engage students in activating their prior knowledge about objects in motion and to prepare them to learn about the relationship between force and changes in velocity.

Homework-

- Finish up all of the activities in the Force and Motion section 1.2.
- Review the vocabulary terms we will use in this unit. Force and Motion Quizlet.